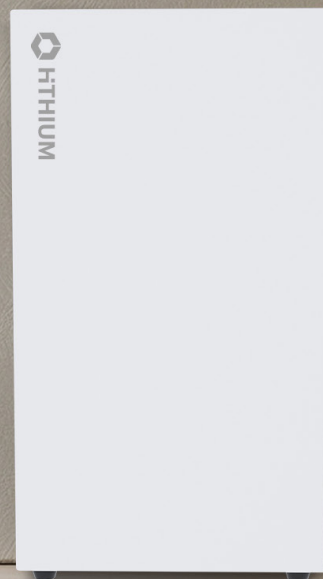


ARKVOLT L16

51.2V/16kWh, 11000+ cycle life, IP65 protection rating. Adopting grid-grade LFP cells to set the reliability benchmark for home energy storage, delivering long-duration silent protection and all-day energy independence.



51.2V Low-Voltage 314Ah Battery

- 16kWh capacity
- Expandable up to 512kWh
- Compatible with leading inverter brands



Optimized for Residential demands

- Up to 200A operating current
- Ideal for 8kW+ inverter systems
- Slim, compact, space-saving design



Long Cycle Life LFP Technology

- Proven 314Ah LFP cells
- Up to 11,000 cycles
- Low heat generation



Outdoor-Ready, Robust Design

- IP65-rated enclosure
- Optional heating function
- Reliable in harsh environments

PRODUCT DETAILS

Model	HPB-16LV
Battery Type	LiFePO ₄
Battery Capacity	16076.8Wh
Nominal capacity	314Ah
Nominal Voltage	51.2V
Operation voltage range	44.8V~57.6V
Recommend charging current	157A
Recommend discharging current	157A
Max. charging current	200A
Max. discharging current	200A
Communications	RS485 / CAN
Scalability	Up to 32 batteries in parallel
Weight	Approx 123kg
Dimensions	L468.2*W264.5*H900mm
Operation temperature range	Charge: 0~55℃ (-20~50℃ with optional heating module) Discharge: -20~55℃
IP Rating	IP65
Humidity	5%~95%
Warranty	10 years / 8000 cycles, @25℃, @0.5C, @95%DOD, @70%EOL
Certifications	CE, IEC62619, IEC62040, UN38.3, MSDS, ROHS, REACH

*The above is for reference only, the specification sheet shall prevail.